

Telomer Research Program

Clariant



Report Title: 8-2 Telomer B Alcohol: Acute Oral Toxicity – Fixed Dose Method

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Study Dates:

Initiation: April 2, 2001

In Life: April 25, 2001 – May 17, 2001

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Study Objective: To assess the acute oral toxicity of 8-2 Telomer B Alcohol when administered by oral gavage to male and female rats.

Materials and Methods: Single oral doses of 2000 mg 8-2 Telomer B Alcohol/kg by body weight, melted and suspended in 0.5% aqueous methyl cellulose, were administered by intragastric intubation to a group of 5 fasted male and 5 fasted female rats. Observations for mortality and signs of response were made daily throughout the study. Rats were weighed at regular intervals post-dosing and were sacrificed on post-dosing day 16 and examined grossly for observed evidence of organ or tissue damage or dysfunction.

Findings: No deaths occurred (mortality/number treated: males 0/5; females 0/5). No clinical signs of toxicity were seen. No gross lesions were seen upon pathology evaluation.

Conclusion: Under the conditions of this study, the minimum lethal dose was greater than 2000 mg/kg. According to the guidance provided in the OECD testing guidelines, 8-2 Telomer B Alcohol is a compound which does not present a significant acute toxic risk if swallowed.

Publications / Presentations:

A) Haskell Laboratory Report No. DuPont 6711, dated 9/17/01.

B) Results cited in: Kennedy, G. L., Jung, R., Iwai, H., Shin-Ya, S., Murphy, S., Drouot, N., Finlay, C., Donner, M., Erexson, G., and Stankowski, L., Jr., "Genetic Toxicology of 8-2 Telomer B Alcohol", Toxicol. Sci. 72(S-1):209:2003.